

WHAT IS CLAIMED IS:

1. An information communicating member to be disposed on a liquid container for supplying a liquid to a liquid ejecting head of a liquid ejection apparatus, the information communicating  
5 member comprising:

an information storing portion storing therein liquid information with regard to the liquid contained in the liquid container;

an antenna portion for communicating the liquid information  
10 stored in the information storing portion between the information communicating member and the liquid ejection apparatus in a wireless manner; and

a base member on which the information storing portion and the antenna portion are disposed, the base member having an electric  
15 insulating property and an ultraviolet ray shielding property.

2. The information communicating member according to claim 1, wherein the base member includes:

a protecting layer having the electric insulating property and the ultraviolet ray shielding property for protecting the  
20 information storing portion and the antenna portion; and

an adhering layer adhering the information storing portion and the antenna portion to the protecting layer and for attaching the information storing portion, the antenna portion and the protecting layer with respect to the liquid container.

25 3. The information communicating member according to claim

2, further comprising:

a jumper connecting line for electrically connecting the information storing portion to the antenna portion, the jumper connecting line being disposed within the adhering layer.

5        4.    The information communicating member according to claim 1, further comprising:

10        a peelable sheet removably attached to the base member for covering and protecting the information storing portion and the antenna portion of the base member, the peelable sheet having electric insulating property and ultra violet ray shielding property.

5.    A liquid container for supplying a liquid to a liquid ejecting head of a liquid ejection apparatus, the liquid container comprising:

15        an information communicating member disposed on the liquid container, the information communicating member including:

an information storing portion storing therein liquid information with regard to the liquid contained in the liquid container;

20        an antenna portion for communicating the liquid information stored in the information storing portion between the information communicating member and the liquid ejection apparatus in a wireless manner; and

25        a base member on which the information storing portion and the antenna portion are disposed, the base member having an electric

insulating property and an ultraviolet ray shielding property.

6. A liquid ejecting apparatus comprising:

a liquid ejecting head;

a first antenna portion;

5 a liquid container detachably mounted on the liquid ejecting apparatus for supplying a liquid to the liquid ejecting head; and

an information communicating member disposed on the liquid container, the information communicating member including:

10 an information storing portion storing therein liquid information with regard to the liquid contained in the liquid container;

a second antenna portion for communicating the liquid information stored in the information storing portion between  
15 the information communicating member and the liquid ejection apparatus in a wireless manner using the first antenna portion; and

a base member on which the information storing portion and the antenna portion are disposed, the base member having an electric  
20 insulating property and an ultraviolet ray shielding property.

7. An information communicating member to be disposed on a liquid container for supplying a liquid to a liquid ejecting head of a liquid ejecting apparatus, the information communicating member comprising:

25 an information storing portion and storing therein liquid

information with regard to the liquid contained in the liquid container;

an antenna portion for communicating the liquid information stored in the information storing portion between the information communicating member and the liquid ejecting apparatus in a wireless manner;

sensor terminal portions for electrically connecting the information storing portion to a sensor for detecting a remaining amount of the liquid in the liquid container;

a base member on which the information storing portion, the antenna portion and the sensor terminal portions are disposed; and

connecting wire portions electrically connecting the sensor terminal portions and the information storing portion, the connecting wire portions being at least in part aligned in parallel with each other on the base member.

8. The information communicating member according to claim 7, wherein the connecting wire portions electrically connect the two sensor terminal portions to two terminals of the information storing portion, respectively, and the information communicating member transmits and receives the liquid information and a power to and from the liquid ejecting apparatus.

9. The information communicating member according to claim 7, wherein the base member includes:

a protecting layer for protecting the information storing

portion, the antenna portion, the sensor terminal portions and the connecting wire portions; and

an adhering layer for attaching the information storing portion, the antenna portion, the sensor terminal portions and the connecting wire portions to a liquid container side of the protecting layer.

10. A liquid container for supplying a liquid to a liquid ejecting head of a liquid ejecting apparatus, the liquid container comprising:

10 a sensor for detecting a remaining amount of the liquid contained in the liquid container; and

an information communicating member disposed on the liquid container, the information communicating member including:

an information storing portion and storing therein liquid information with regard to the liquid contained in the liquid container;

an antenna portion for communicating the liquid information stored in the information storing portion between the information communicating member and the liquid ejecting apparatus in a wireless manner;

sensor terminal portions for electrically connecting the information storing portion to the sensor;

a base member on which the information storing portion, the antenna portion and the sensor terminal portions are disposed;

25 and

connecting wire portions electrically connecting the sensor terminal portions and the information storing portion, the connecting wire portions being at least in part aligned in parallel with each other on the base member.

5        11. A liquid ejecting apparatus comprising:

        a liquid ejecting head;

        a first antenna portion;

        a liquid container detachably mounted on the liquid ejecting apparatus for supplying a liquid to the liquid ejecting head;

10        a sensor, disposed on the liquid container, for detecting a remaining amount of the liquid contained in the liquid container; and

        an information communicating member disposed on the liquid container, the information communicating member including:

15        an information storing portion and storing therein liquid information with regard to the liquid contained in the liquid container;

        a second antenna portion for communicating the liquid information stored in the information storing portion between  
20        the information communicating member and the liquid ejecting apparatus in a wireless manner using the first antenna portion;

        sensor terminal portions for electrically connecting the information storing portion to the sensor;

        a base member on which the information storing portion,  
25        the antenna portion and the sensor terminal portions are disposed;

and

connecting wire portions electrically connecting the sensor terminal portions and the information storing portion, the connecting wire portions being at least in part aligned in parallel with each other on the base member.

12. An information communicating member comprising:

a flexible base substrate having a first surface on which a memory device and an antenna connected to the memory device are disposed, and an opposite second surface;

a flexible first protective substrate laminated on the second surface of the flexible base substrate;

a flexible second protective substrate having a first surface and an opposite second surface, wherein:

the first surface of the flexible second protective substrate has an electrically insulating property and is laminated on the first surface of the flexible base substrate so that the memory and the antenna are covered between the flexible base substrate and the flexible second protective substrate; and

the second surface of the flexible second protective substrate has an adhesive property.

13. The information communicating member according to claim 12, wherein at least one of the flexible base substrate and the flexible first protective substrate has an ultraviolet ray shielding property.

14. The information communicating member according to claim

12, wherein at least one of the flexible base substrate and the flexible first protective substrate has an electrically insulating property.

15. The information communicating member according to claim 5 12, further comprising:

terminal portions for electrical connection to an external device; and

connecting wire portions electrically connecting the terminal portions to the memory device,

10 wherein the connecting wire portions are at least in part aligned in parallel with each other on the first surface of the flexible base substrate.

16. An information communicating member comprising:  
a memory device;

15 an antenna connected to the memory device; and

a base member on which the memory device and the antenna are disposed, the base member having an electric insulating property and an ultraviolet ray shielding property.

17. The information communicating member according to claim 20 16, wherein the memory device includes a memory and a controller.

18. An information communicating member comprising:  
a memory device;

an antenna connected to the memory device;

terminal portions for electrical connection to an external 25 device;



a base member on which the memory device, the antenna and the terminal portions are disposed; and

connecting wire portions electrically connecting the terminal portions to the memory device, the connecting wire portions being at least in part aligned in parallel with each other on the base member.

19. The information communicating member according to claim 18, wherein the memory device includes a memory and a controller.